

CD21/CD35 Monoclonal Antibody (eBio8D9 (8D9)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio8D9 (8D9)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466390

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	1 Publication

Product Specific Information

Description: The monoclonal antibody eBio8D9 reacts with an epitope shared by mouse CD21 (CR2) and CD35 (CR1). CD21 and CD35 are alternatively spliced transcripts from the Cr2 gene, which produce cell-surface proteins of 145 and 190 kDa, respectively. CD21 and CD35 are expressed by mature B cells, but not on thymocytes, peripheral T cells, erythrocytes or platelets. Furthermore, there is some evidence which demonstrates their expression on macrophages. CD21 is a receptor for the complement component C3d and Epstein-Barr virus (EBV). In association with CD19 and CD81, CD21 also participates in B-cell activation through the B cell receptor. Cr2-deficient mice display impaired inflammatory and humoral immune responses in vivo.

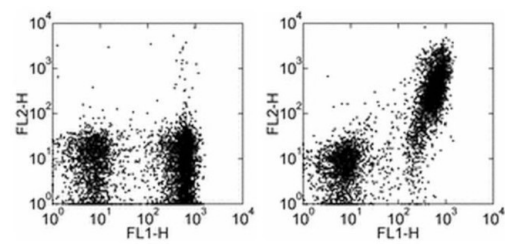
The anti-mouse CD21/35 monoclonal antibody clones eBio4E3 and eBio8D9 do not cross-block each other, suggesting that they bind to different epitopes.

Applications Reported: This eBio8D9 (8D9) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio8D9 (8D9) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD21/CD35 Monoclonal Antibody (eBio8D9 (8D9)), Biotin, eBioscience™



CD21/CD35 Antibody (13-0211-82) in Flow
Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.125 µg of Rat IgG2a K Isotype Control Biotin (Product # 13-4321-82) (left) or 0.125 µg of Anti-Mouse CD21/CD35 Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

Immunohistochemistry (1)

<p>Med (New York, N.Y.)</p> <p>A booster dose enhances immunogenicity of the COVID-19 vaccine candidate ChAdOx1 nCoV-19 in aged mice.</p> <p>"Published figure using CD21/CD35 monoclonal antibody (Product # 13-0211-82) in Immunohistochemistry"</p> <p>Authors: Silva-Cayetano A,Foster WS,Innocentin S,Belij-Rammerstorfer S,Spencer AJ,Burton OT,Fra-Bidó S,Le Lee J,Thakur N,Conceicao C,Wright D,Barrett J,Evans-Bailey N,Noble C,Bailey D,Liston A,Gilbert SC,Lambe T,Linterman MA</p>	<p>Year 2021</p>
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Immunohistochemistry (Frozen) (1)

<p>Frontiers in immunology</p> <p>A Novel Image Analysis Approach Reveals a Role for Complement Receptors 1 and 2 in Follicular Dendritic Cell Organization in Germinal Centers.</p> <p>"Published figure using CD21/CD35 monoclonal antibody (Product # 13-0211-82) in Immunohistochemistry"</p> <p>Authors: Anania JC,Westin A,Adler J,Heyman B</p>	<p>Year 2021</p>
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Immunocytochemistry (1)

<p>Journal of leukocyte biology</p> <p>The synaptic recruitment of lipid rafts is dependent on CD19-PI3K module and cytoskeleton remodeling molecules.</p> <p>"13-0211 was used in Immunofluorescence to delineate the molecular mechanisms underlying the recruitment of lipid raft microdomains at the B cell immunological synapse."</p> <p>Authors: Xu L,Auzins A,Sun X,Xu Y,Harnischfeger F,Lu Y,Li Z,Chen YH,Zheng W,Liu W</p>	<p>Year 2015</p> <p>Species Mouse</p>
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Flow Cytometry (1)

<p>The Journal of experimental medicine</p> <p>Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation.</p> <p>"13-0211 was used in Flow cytometry/Cell sorting to study Kidins220/ARMS binding to the B cell antigen receptor and its regulation of B cell development and activation."</p> <p>Authors: Fiala GJ,Janowska I,Prutek F,Hobeika E,Satapathy A,Sprenger A,Plum T,Seidl M,Dengjel J,Reth M,Cesca F,Brummer T,Minguet S,Schamel WW</p>	<p>Year 2015</p> <p>Species Mouse</p>
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